

Product datasheet for **SC115740**

CPSF6 (NM_007007) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CPSF6 (NM_007007) Human Untagged Clone
Tag:	Tag Free
Symbol:	CPSF6
Synonyms:	CFIM; CFIM68; CFIM72; HPBR11-4; HPBR11-7
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC115740 sequence for NM_007007 edited (data generated by NextGen Sequencing)

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ATGGCGGACGGCGTGGACCACATAGACATTTACGCGGATGTCGGCGAAGAGTTCAACCAG
GAAGCTGAATATGGTGGGCATGATCAGATAGATTTGTATGACGATGTCATATCTCCATCT
GCAAATAATGGAGATGCCCCAGAAGACCGAGATTACATGGATACTCTCCACCAACTGTT
GGTGATGATGTGGTAAAGGAGCAGCACCAAATGTTGTCTATACATATACTGGAAAGAGA
ATTGCATTATATATTGAAATCTAACATGGTGGACAACAGATGAAGACTTAACTGAAGCA
GTTCAATCTTTGGGAGTAAATGATATTTTGGAGATAAAATTTTTTGA AAAATCGAGCAAAT
GGCCAGTCAAAGGGGTTTGCCTTGTTGGTGTGGATCTGAAGCATCTTCAAAAAAGTTA
ATGGATCTGTTACCTAAAAGAGAACTTCATGGTCAGAATCCTGTTGTAACCTCCATGCAAT
AAACAGTTCCTGAGTCAATTTGAAATGCAGTCCAGGAAAACACACAATCAGGACAAATG
TCTGGGGAAGGTAAGCTGGTCTCCAGGAGGCAGTTCCTGTCAGCATTCCACAAGGT
GGTAGAGGACGGGGCCGTTTTCCAGGGGCTGTTCTGGTGGGACAGATTTCTGGGCCA
GCAGGACCAGGAGGGCCACCCACCTTTTCCAGCTGGACAGACTCCACCAGTCCACCC
TTAGGTCTCCAGGCCACCTGGTCCACCAGTCTCCACCTCCTGGTCAGGTTCTGCCT
CCTCCTTAGCTGGGCTCCTAATCGAGGAGATCGCCCTCCACCACAGTCTTTTTCT
GGACAACCTTTTGGGCAGCCTCCATTGGGTCCACTTCTCCTGGCCCTCCACCTCCAGTT
CCAGGCTACGGCCCCCTCCTGGCCACCACCTCCACAACAGGGACCACCTCCACCTCCA
GGCCCCCTTCCACCTCGTCCACCCGGTCCACTTGGGCCACCCCTTACACTAGTCTCCTCT
CCGCATCTTCTGGACCCTCCAGGTGCCACCAGCCAGCTCCGCATGTGAACCCAGCT
TTCTTTCTCCACCACTAACAGTGGCATGCCTACATCAGATAGCCGAGGTCCACCACCA
ACAGATCCATATGGGCGACCTCCACCATATGATAGGGGTGACTATGGCCCCCTGGAAGG
GAAATGGATACTGCAAGAACGCCATTGAGTGAAGCTGAATTTGAAGAAATCATGAATAGA
AATAGGGCAATCTCAAGCAGTGCTATTTTCGAGAGCTGTGTCTGATGCCAGTGTGGTGT
TATGGGAGTGCTATTGAGACACTGGTAACCTGCAATTTCTTTAATTAACAATCCAAAGTA
TCTGCTGATGATCGTTGCAAAGTTCTTATTAGTCTTTGCAAGATTGCCTTCATGGAATT
GAGTCCAAGTCTTATGGTCTGGATCAAGACGTGAACGATCAAGAGAGAGGGACCATAGT
AGATCACGAGAAAAGAGTCGACGTATAAATCCCGTAGTAGAGACCGTCAAGCATTAT
TACAGAGAGAGAAGCAGAGAACGAGAGAGGCACCCGGGATCGTGACCGAGACCGTGACCGA
GAGCGTGACCGAGAGCGCAATATCGTCATCGTTAG
    
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Clone variation with respect to NM_007007.2
354 g=>a

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_007007 unedited
NGGTCAATTTTTGTATACGACTCACTATAGGGCGGCCGATTCGGCACGAGCGGGCGGC
CGAGGCTGAAGGAAGATGGCGGACGGCGTGGACCACATAGACATTTACGCGGATGTCGGC
GAAGAGTTCAACCAGGAAGCTGAATATGGTGGGCATGATCAGATAGATTTGTATGACGAT
GTCATATCTCCATCTGCAAATAATGGAGATGCCCCAGAAGACCGAGATTACATGGATACT
CTCCACCAACTGTTGGTGTGATGATGTGGGTAAGGAGCAGCACCAAATGTTGTCTATACA
TATACTGGAAAGAGAATTGCATTATATATTGAAATCTAACATGGTGGACAACAGATGAA
GACTTAACTGAAGCAGTTCATTCTTTGGGAGTAAATGATATTTTGGAGATAAAATTTTTT
GAAAATCGAGCAAATGGCCAGTCAAAGGGGTTTGCCTTGTTGGTGTGGATCTGAAGCA
TCTTCAAAAAAGTTAATGGATCTGTTACCTAAAAGAGAACTTCATGGTCAGAATCCTGT
TGTAACCTCCATGCAATAAACAGTTCCTGAGTCAATTTGAAATGCAGTCCAGGAAAACAC
ACAATCAGGACAAATGTCTGGGAAGGTAAGCTGGTCCCTCCAGGAGGCAGTTCCCGTGC
AGCATTTCCACAAGGTGGTAGAGGACGGNNGCCGTTTTCCAGGGGCTGTTCTGGTGGNG
ACAGATTTCTGGGCCAGCAGGCCAGNAGGCCACCCACCTTTTCCAGCTGGACAGA
CTCCACCACGTNCAACCTTTAGTCTNCAAGGCCACCTGGNTCCACCAGTCTNCACTNCT
GGNNCAGGTCTGCCTCTNCTCTAGCTGGGCTNCTATCGNAGAGGACGCCCTCCACCAC
AGTC
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_007007 unedited CGCGGCCCAATCTANAGTCGAGTTAAAATATGAAA AGGTAAATAAAGGATTTAATTAGTATAAAAATTTCCAGTTTCATTTCAAGTGCAGTTAGAT TTTTGTGATTCATTTTTAACTGTTCAAAGAAAATTTATTTTCATGGACATTTTACTT ACCTTTTAACCCTTTACTATTAATAATTTCTCTGTAATATTTATATGTCCATACTTCT TCGCATTAGGGCATTGTAGTCAAATATTAAGCAAGAAATGACACAACAATATACA GAAAACAGGAAAATTTGATACAACCTAAAATAATGTTAAAAAGCAACCGCATTTTCA ACAAAATGCTTTAAAAATCATTCTGAAAGTGAACAGTTCTGATAAACATCAACGATCC CATGCACAGATACTTCAAACACAAAATATTTTAAATAAAAAGTGGCAGTGATATGGGTAA TTCAAACAGCTAATTTTGTGAGAAGTGGTTGTAGCAGACAAGATGAAAGTGAAGAAC AGCAGTGGAAATTTCTGGAGGGTTTCTACAGTTGCACATAACACAGTATCTAGGGTATTT TAACACTTTAAGCATTGCTAGAAATTTGGGTACTCTTTAACCAACCAATGTGTATTAACA GAAGATCTCTCANAGATAATCAGATCTTAAAAACATATTAACGTGCTCAAGAATTTTAAG TCAAATTTCTGAAGTAGTATTTCAAATTACATCCCATAAAAAACCTAATCAAGTTGA CACCTGCCTCTGCNCATNNTTGCATCAAGACACATGCTAGTCANGTCTTTTAAAGTGG GCTATATGTAAGGCAGGGTTGAAAAATCTTTNGATTAGTACTATGCATGATCAATCCG GGCATGAATATCATANATCCTTAACTGNGCGACCCGTTTATCTGTATTNCCATACAAAC
Restriction Sites:	NotI-NotI
ACCN:	NM_007007
Insert Size:	3630 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_007007.1</u> , <u>NP_008938.1</u>
RefSeq Size:	3426 bp
RefSeq ORF:	1656 bp
Locus ID:	11052
UniProt ID:	<u>Q16630</u>
Cytogenetics:	12q15
Domains:	RRM

Gene Summary:

The protein encoded by this gene is one subunit of a cleavage factor required for 3' RNA cleavage and polyadenylation processing. The interaction of the protein with the RNA is one of the earliest steps in the assembly of the 3' end processing complex and facilitates the recruitment of other processing factors. The cleavage factor complex is composed of four polypeptides. This gene encodes the 68kD subunit. It has a domain organization reminiscent of spliceosomal proteins. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (1) lacks an alternate in-frame exon in the central coding region, compared to variant 2. The encoded isoform (1) is shorter than isoform 2. Sequence Note: The RefSeq transcript and protein were derived from transcript and genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.